

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PMC PAID TEST 10 WITHOUT KEYS: ALONG WITH KEYS WILL UPLOAD AFTER FEW HOURS

1. Magnetic field density outside the solenoid is
 - A. strong
 - B. infinite
 - C. negligible
 - D. none of these
2. If peak Voltage across a full wave rectifier is 20V then V_{rms} is
 - A. 7.07
 - B. 14.14 v
 - C. 16.8V
 - D. 12V
3. Force acting on a positive charge is always:....
 - A. in the direction opposite to electric field
 - B. in the direction of electric field
 - C. in the direction perpendicular to electric field
 - D. in the direction perpendicular to the velocity of charge
4. A man pushes a wall and failed to displace it ,he does
 - A. Negative work
 - B. positive work but not maximum
 - C. No work at all
 - D. maximum work
5. Half life of a radiation active element is that period in which half of the atoms
 - A. diffuse
 - B. decompose
 - C. disturbed
 - D. decay
6. The speed v of the waves in the string depends upon the tension F of the string and m , the mass per unit length of the string. It is given by
 - A. $v^2 = F/m$
 - B. $v = F/m$
 - C. $v \cdot m = F$
 - D. $v = F \cdot m$
7. Unit of instantaneous velocity is

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

- A. m/s^2
- B. m/s
- C. m
- D. $1/\text{s}$

PHYSICS >> Dawn of Modern Physics

8. Beta particle is actually a
- A. fast moving electron
 - B. slow moving electron
 - C. electron at rest
 - D. none of these

PHYSICS >> Nuclear Physics

9. Which element has three isotopes?
- A. H
 - B. O
 - C. Cl
 - D. none of these

PHYSICS >> Waves

10. longitudinal standing wave, in second harmonic mode, is established in a tube that is open at both ends. The length of the tube is 0.80 m. What is the wavelength of the waves that make up the standing wave?
- A. 0.20 m
 - B. 0.40 m
 - C. 0.80 m
 - D. 1.60 m

PHYSICS >> Thermodynamics

11. The efficiency of Carnot engine can never be 1, because:.
- A. we can not achieve the higher temperature
 - B. we do not have an ideal working substance
 - C. there is always energy losses
 - D. we need cold reservoir at absolute zero temperature, which is not available

PHYSICS >> Rotational and Circular Motion

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

12. For constant linear acceleration, angular acceleration and radius are
- A. equal
 - B. inversely related
 - C. directly related
 - D. no relation

PHYSICS >> Dawn of Modern Physics

13. X-ray is the reverse process of :
- A. Pair production
 - B. Compton effect
 - C. Photoelectric effect
 - D. A & B are correct

PHYSICS >> Current Electricity

14. If a certain piece of copper is to be shaped into a conductor of minimum resistance, its length (L) and cross-sectional area (a) shall respectively be
- A. L, 2A
 - B. L/2, 2A
 - C. 2L, 2A
 - D. 2L, A/2

PHYSICS >> Dawn of Modern Physics

15. The linear momentum of a 3 MeV photon is :
- A. 0.01 eV s m^{-1}
 - B. 0.01 eV s m^{-1}
 - C. 0.03 eV s m^{-1}
 - D. 0.04 eV s m^{-1}

PHYSICS >> Waves

16. When path difference between two waves are odd integral multiple of half the wavelength, the resultant effect is called
- A. destructive interference
 - B. constructive interference
 - C. beats
 - D. diffraction

PHYSICS >> Electromagnetic Induction

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

17. The turns ratio of transformer is 10, It means that;

- A. $I_s = 10I_p$
- B. $N_s = N_p/10$
- C. $N_s = 10N_p$
- D. $V_s = V_p/10$

PHYSICS >> Rotational and Circular Motion

18. The angular velocity will become equal to linear velocity when r becomes

- A. zero
- B. negative
- C. unity
- D. they can never be equal

PHYSICS >> Current Electricity

19. $C_{eq} = C_1 + C_2 + C_3 + \dots + C_n$ is the combination in

- A. Parallel
- B. Series
- C. Both of them
- D. None of them

PHYSICS >> Work and Energy

20. At which angle work done is maximum

- A. 45 degree
- B. 90 degree
- C. 0 degree
- D. 180 degree

PHYSICS >> Dawn of Modern Physics

21. Polarization explains light is

- A. electric in nature
- B. magnetic in nature
- C. both a & B
- D. none of these

22. The dimensions of angular velocity are

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

- A. $[LT^{-1}]$
- B. $[LT]$
- C. $[LT^{-2}]$
- D. $[T^{-1}]$

PHYSICS >> Atomic spectra

23. If two bodies have same temperature the rate of heat transfer between them is
- A. infinite
 - B. zero
 - C. double the temperature
 - D. none of these
24. The atomic ratio between U-238 and U-234 in a sample is 1.8×10^4 . The half life of U-238 is 2.5×10^5 years. Find the half life of U-234.
- A. 2.5×10^9 years
 - B. 2.5×10^8 years
 - C. 4.5×10^9 years
 - D. none of these

PHYSICS >> Nuclear Physics

25. According to Bohr's principle, what is the relation between the principal quantum number and the radius of the orbit?
- A. $r \propto n$
 - B. $r \propto 1/n$
 - C. $r \propto n^2$
 - D. $r \propto 1/n^2$

PHYSICS >> Atomic spectra

26. Which rays need medium to travel
- A. x-rays
 - B. beta rays
 - C. gamma rays
 - D. no radiation need medium to travel

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PHYSICS >> Work and Energy

27. A charge of 2 C placed in electric field of 10 N/C what will be the work done in moving charge a distance of 5 m
- A. 100 J
 - B. 50 J
 - C. 150 J
 - D. 200 J

PHYSICS >> Electromagnetism

28. What is the angular frequency during the circular motion?
- A. qm/B
 - B. m/qB
 - C. qB/m
 - D. qmB
29. Magnetic force between two wires is proportional to
- A. distance
 - B. current on them
 - C. Charge on them
 - D. none of these

PHYSICS >> Current Electricity

30. An immersion heater of 400 watts kept on for 5 hours will consume electrical power of
- A. 2KWh
 - B. 20KWh
 - C. 6KWh
 - D. 12KWh

PHYSICS >> Thermodynamics

31. Which of the following is not as example of adiabatic process?
- A. The rapid escape of air from a burst tyre
 - B. The rapid expansion and compression of air through which a sound wave is passing
 - C. Cloud formation in the atmosphere
 - D. slow compression or expansion of gas

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PHYSICS >> Waves

32. Whenever a transverse wave travelling in a denser medium, is reflected from the boundary of the rarer medium...
- A. the direction of its displacement remains same
 - B. the direction of its displacement is reversed
 - C. the displacement disappears
 - D. the displacement becomes double

PHYSICS >> Electromagnetic Induction

33. $\text{emf} = -N(\Delta\Phi/\Delta t)$ is according to
- A. Ampere's Law
 - B. Faraday's Law
 - C. Lenz's Law
 - D. none of these

PHYSICS >> Electromagnetic Induction

34. Lenz law is in accordance with conservation of
- A. momentum
 - B. charge
 - C. current
 - D. energy

PHYSICS >> Electronics

35. In full wave rectifier with input frequency 50 Hz the ripple in the output is mainly of frequency
- A. 25 Hz
 - B. 50Hz
 - C. 100Hz
 - D. Zero

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PHYSICS >> Waves

36. If displacements due to two individual waves are y_1 and y_2 . Then the resultant displacement, y , of the particle of the medium is:
- A. $y = y_1 * y_2$
 - B. $y = y_1 / y_2$
 - C. $y = y_1 - y_2$
 - D. $y = y_1 + y_2$

PHYSICS >> Thermodynamics

37. Two containers hold an ideal gas at the same temperature and pressure. Both containers hold the same type of gas, but container B has twice the volume of container A. What is the average translational kinetic energy per molecule in container B?
- A. twice that of container A
 - B. the same as that of container A
 - C. half that of container A
 - D. impossible to determine

PHYSICS >> Current Electricity

38. If the length of a potentiometer wire is doubled, the accuracy in determining the null point _____
- A. is increased
 - B. is decreased
 - C. remains constant
 - D. may increase or decrease

PHYSICS >> Atomic spectra

39. The angular momentum of photon is
- A. infinite
 - B. zero
 - C. negative
 - D. still not found

PHYSICS >> Thermodynamics

40. Internal energy is _____ of path
- A. independent
 - B. dependent
 - C. Highly dependent
 - D. Not enough information

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PHYSICS >> Nuclear Physics

41. If crops are grown under greenhouse radiation the crops will
- A. grow faster
 - B. grow slowly
 - C. burn immediately
 - D. none of these will happen

PHYSICS >> Nuclear Physics

42. The source of gamma radiation is
- A. outside nucleus
 - B. inside nucleus
 - C. electron transition
 - D. none of these

PHYSICS >> Force and Motion

43. Rockets use thrust forces which produces
- A. constant acceleration
 - B. variable acceleration
 - C. constant velocity
 - D. linearly varying velocity

PHYSICS >> Force and Motion

44. A straight moving bus takes a sharp right turn. What will happen to the passengers sitting inside the bus?
- A. They will tilt rightwards
 - B. They will tilt leftwards
 - C. They will stay the way they were
 - D. They will start jumping

PHYSICS >> Electronics

45. Transistors can be used as
- A. half wave rectifier
 - B. full wave rectifier
 - C. both
 - D. none of these

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PHYSICS >> Electromagnetism

46. The flux is the region where magnetic field
- A. changes direction
 - B. changes strength
 - C. changes polarity
 - D. no change occur

PHYSICS >> Electronics

47. In half wave rectification, the output DC voltage is obtained across the load for
- A. the positive half cycle of input AC
 - B. the negative half cycle of input AC
 - C. the positive and negative half cycles of input AC
 - D. Either positive or negative half cycle of input AC

PHYSICS >> Electromagnetism

48. Unit of magnetic flux density is
- A. Tesla
 - B. Wb/m^2
 - C. N/Am
 - D. All

PHYSICS >> Electro-statistics

49. A capacitor can store its energy in its:....
- A. magnetic field
 - B. parallel plate
 - C. electric field
 - D. coil

PHYSICS >> Force and Motion

50. If the velocity of particle is varying linearly with time then shape of d-t curve would be
- A. linear
 - B. quadratic
 - C. cubic
 - D. decreasing linearly

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PHYSICS >> Waves

51. A pipe is open at both ends. A stationary wave is formed in the air of the pipe. Which statement is true:
- A. there is always a central antinode
 - B. there is always a central node
 - C. the sum of number of nodes and the number of antinodes is always an even number
 - D. the sum of number of nodes and the number of antinodes is always an odd number

PHYSICS >> Thermodynamics

52. An ideal gas at 15.5°C and a pressure of 1.72×10^5 Pa occupies a volume of 2.81 m^3 . How many moles of gas are present?
- A. 2.01 mol
 - B. 21 mol
 - C. 201 mol
 - D. 2001 mol

PHYSICS >> Thermodynamics

53. The energy input to an engine is 4.00 times greater than the work it performs. What fraction of the energy input is expelled to the cold reservoir?
- A. 0.25
 - B. 0.75
 - C. 1
 - D. impossible to determine

PHYSICS >> Waves

54. A stationary wave is formed in a pipe which is open at one end. If length of pipe is 5 cm, then what is the maximum possible wavelength of the wave.?
- A. 5 cm
 - B. 10 cm
 - C. 15 cm
 - D. 20 cm

PHYSICS >> Electromagnetic Induction

55. Electric field generated due to induction is
- A. conservative
 - B. nonconservative
 - C. depends on internal property
 - D. not enough information

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

PHYSICS >> Current Electricity

56. Resistivity of a wire is ___ ohm-m if 0.75 A current flows through it by applying 1.5 V potential difference, take length and cross section as 5m and $2.5 \times 10^{-7} \text{ m}^2$.
- A. 1×10^{-7}
 - B. 2.63×10^{-8}
 - C. 19×10^{-8}
 - D. 7.85×10^{-8}

CHEMISTRY >> S and P Block elements

57. Molten sodium burns with brilliant yellow flame in a chlorine atmosphere to form ____?
- A. NaCl
 - B. NaOH
 - C. NaBr
 - D. ClO

CHEMISTRY >> Macromolecules

58. Which enzyme causes the hydrolysis of fats ?
- A. Urease
 - B. Lipase
 - C. Maltase
 - D. Protease

CHEMISTRY >> Gases

59. The properties of gases, liquids and solids can be understood by
- A. atomic theory
 - B. potential molecular theory
 - C. kinetic molecular theory
 - D. none of these

CHEMISTRY >> Aldehydes and ketones

60. Which of the following give silver mirror test ?
- A. Butanal
 - B. Methanal
 - C. Ethanal
 - D. All of these

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Fundamental Principles of Organic Chemistry

61. According to vital force theory organic compounds were only produce in _____?
- A. Animals
 - B. Plants
 - C. Bacteria
 - D. All of these

CHEMISTRY >> Introduction to Fundamental Concepts of Chemistry

62. The unit used to express the relative atomic mass is called
- A. gram unit
 - B. Avogadro's number
 - C. atomic mass
 - D. atomic mass unit

CHEMISTRY >> Solids

63. Amorphous solids turns into glass like state from rubber like state, this is called
- A. transition
 - B. crack transition
 - C. glass transition
 - D. all of these

CHEMISTRY >> Chemistry of Hydrocarbons

64. Which of the following Halogen react fast with alkanes in substitution reactions?
- A. Cl_2
 - B. F_2
 - C. I_2
 - D. Br_2

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Chemical Equilibrium

65. Buffer solutions resist change in their
- A. temperature
 - B. solubility
 - C. volatility
 - D. pH

CHEMISTRY >> Atomic Structure

66. When an electron remains between orbit, its momentum is
- A. dequantized
 - B. quantized
 - C. emitted
 - D. changes always

CHEMISTRY >> Carboxylic Acids

67. Which of the carboxylic acid in diluted form is used as vinegar?
- A. Formic acid
 - B. acetic acid
 - C. benzoic acid
 - D. amino acid

CHEMISTRY >> Transition Elements

68. Which of the following properties are associated with transition metals ?
- A. Color
 - B. Complex formation
 - C. Use as catalyst
 - D. All of these

CHEMISTRY >> Chemical Bonding

69. In general, atomic radii decreases from left to right in a period, due to increase in
- A. number of shells
 - B. nuclear charge
 - C. shielding effect
 - D. bond length

CHEMISTRY >> Electrochemistry

70. In a Voltaic Cell Zinc Electrode is dipped in
- A. Copper Sulphate
 - B. Copper chloride
 - C. Zinc Chloride
 - D. Zinc Sulphate

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Alcohol and Phenols

71. Alcohol having 5% water is called as _____?
- A. Absolute alcohol
 - B. Methylated alcohol
 - C. Rectified spirit
 - D. Pure spirit

CHEMISTRY >> Reaction Kinetics

72. dx/dt is rate of change of concentration with respect to
- A. Temperature
 - B. Pressure
 - C. time
 - D. None of these

CHEMISTRY >> Gases

73. London dispersion forces are the only forces present among
- A. atoms of helium in gaseous state at high temperature
 - B. molecules of water
 - C. molecules of solid iodine
 - D. molecules of HCl gas

CHEMISTRY >> Fundamental Principles of Organic Chemistry

74. A structural formula shows _____?
- A. Arrangement of atoms in the compound
 - B. Arrangement of electrons in the compound
 - C. Arrangement of Orbitals that involved in bonding
 - D. Lewis structure of compounds

CHEMISTRY >> Chemistry of Hydrocarbons

75. Addition of HCl to an propene forms _____?
- A. 1-chloropropane
 - B. 2-chloropropane
 - C. 2-chloropropane
 - D. 3-chloropropane

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Alkyl Halides

76. In SN_2 reaction, which of the following specie is formed?

- A. Transition state
- B. Intermediate
- C. Carbocation
- D. Carbanion

CHEMISTRY >> Reaction Kinetics

77. Half-life can be found out for a reaction of

- A. first order
- B. Second Order
- C. Any Order
- D. Zero Order

CHEMISTRY >> Introduction to Fundamental Concepts of Chemistry

78. Dalton's atomic theory couldn't explain the concept about

- A. isomers
- B. protons
- C. isotopes
- D. nucleus

CHEMISTRY >> Chemical Equilibrium

79. When a catalyst is added to a reversible reaction, at equilibrium state the value of equilibrium constant

- A. decreases
- B. Increases
- C. Remains unchanged
- D. First decrease then increase

CHEMISTRY >> Alkyl Halides

80. Which of the following compounds can be prepared by using grignard reagents?

- A. Alkanes
- B. Alcohols
- C. Carboxylic acids
- D. All of these

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> S and P Block elements

81. The group 1 elements are named as alkali metals because
- A. Their oxides are basic
 - B. Their oxide and hydroxides are water soluble
 - C. Both a & b
 - D. They are found in the earth

CHEMISTRY >> Introduction to Fundamental Concepts of Chemistry

82. Atomicity is determined by number of _____ present in a molecule
- A. dots
 - B. atoms
 - C. sub particles
 - D. electrons

CHEMISTRY >> S and P Block elements

83. Which of the species has a permanent dipole moment?
- A. SF_4
 - B. SiF_4
 - C. BF_3
 - D. XeF_4

CHEMISTRY >> Electrochemistry

84. Electrolyte can be in
- A. Plasma state
 - B. Solution or Fused state
 - C. Solid form
 - D. Gaseous State

CHEMISTRY >> Macromolecules

85. Hemoglobin is example of which protein.
- A. Transport proteins
 - B. Structural proteins
 - C. Genetic proteins
 - D. Regulatory proteins

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Carboxylic Acids

86. When ethyl alcohol is oxidized with potassium dichromate, which product is formed?

- A. Acetic acid
- B. Butanoic acid
- C. Benzoic acid
- D. No reaction takes place

CHEMISTRY >> Carboxylic Acids

87. Which of the following is an example of Monocarboxylic acid ?

- A. Oxalic acid
- B. Methanoic acid
- C. Glutaric acid
- D. Adipic acid

CHEMISTRY >> Solids

88. Number of Valence Electrons in Cl- Ion are

- A. 18
- B. 10
- C. 17
- D. 8

CHEMISTRY >> Macromolecules

89. Non protein part which is conjugated with protein is called_____.

- A. Coenzyme
- B. Co-factor
- C. Prosthetic group
- D. None

CHEMISTRY >> Aldehydes and ketones

90. Addition of ammonia and its derivative catalyze by_____?

- A. Acid
- B. Base
- C. Oxidizing agents
- D. Pd/C

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions

91. The imaginary surface separating system and surroundings is called

- A. Buffer
- B. Transition Zone
- C. Boundary
- D. Intermediate state

CHEMISTRY >> Aldehydes and ketones

92. Why oxidation of ketones is not easy _____?

- A. Because they involve breaking of C-O bond
- B. Because it involve breaking of C-C bond
- C. Because it involve breaking of C-H bond
- D. Because it involve breaking of C=C bond

CHEMISTRY >> Solids

93. In a cubic close packed system, the number of octahedral void per atom is/are

- A. 1
- B. 3
- C. 8
- D. 5

CHEMISTRY >> Gases

94. The unit for Van der Waals constant 'b' is

- A. mol dm^{-3}
- B. dm^3
- C. $\text{m}^3 \text{mol}^{-1}$
- D. $\text{m}^3 \text{mol}$

CHEMISTRY >> Alcohol and Phenols

95. When a nucleophilic reagent attacks on alcohols

- A. C - O bond breaks
- B. H bond breaks
- C. increase in acidity
- D. Dehydration occurs

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Electrochemistry

96. Electrolysis is carried out in

- A. A beaker
- B. Flask
- C. Evaporating Dish
- D. Electrolytic Cell

CHEMISTRY >> Reaction Kinetics

97. The positive sign in the rate expression for products depicts

- A. Decrease in concentration
- B. Increase in concentration
- C. Increase in yield
- D. decrease in temperature

CHEMISTRY >> Transition Elements

98. Which of the following is a non-typical transition element?

- A. Mn
- B. Zn
- C. Cu
- D. Ag

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions

99. The total of all the possible kind of energies in a system is called

- A. Total energy
- B. Kinetic Energy
- C. Potential Energy
- D. Internal Energy

CHEMISTRY >> Alcohol and Phenols

100. Which phenol is most acidic in nature

- A. salicylic acid
- B. picric acid
- C. cresol
- D. O- nitrophenol

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Carboxylic Acids

101. Rayon is _____?
- A. Acetyl chloride
 - B. Alkene
 - C. Alkyne
 - D. Acetic acid

CHEMISTRY >> Alkyl Halides

102. In Which of the following reaction rate of reaction is not affected by increasing concentration of nucleophile ?
- A. SN_2
 - B. E_2
 - C. SN_1
 - D. None of these

CHEMISTRY >> Alkyl Halides

103. Grignard reagent is produced by the reaction of Alkyl halides with _____?
- A. Ca in anhydrous ether
 - B. Mg in dry ether
 - C. Mg in hydrous ether
 - D. Ca in dry ether

CHEMISTRY >> Solids

104. All the three axes and three angles are of unequal length and none of the angle is 90°
- A. cubic system
 - B. triclinic system
 - C. tetragonal system
 - D. monoclinic system

CHEMISTRY >> Electrochemistry

105. Caustic Soda is made by electrolysis of concentrated solution of NaCl in
- A. Nelson's Cell
 - B. Hg - Cell
 - C. Castner Kellner Cell
 - D. All of these

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Macromolecules

106. LDH-1 is raised in which disease:

- A. Rickets
- B. Anemia
- C. Heart disorders
- D. Stroke

CHEMISTRY >> Carboxylic Acids

107. Which of the following is succinic acid ?

- A. Ethanoic acid
- B. Hexanedioic acid
- C. Butanedioic acid
- D. Propanoic acid

CHEMISTRY >> Fundamental Principles of Organic Chemistry

108. which of the following has neither secondary nor tertiary hydrogen

- A. isobutane
- B. pentane
- C. neo-pentane
- D. isopentane

CHEMISTRY >> Gases

109. If pressure is reduced to one half and temperature of a gas is doubled, what will be volume

- A. reduced 4 times
- B. increased 4 times
- C. remains same
- D. gets doubled

CHEMISTRY >> Liquids

110. Which one of the following H-bond is strong?

- A. O-H
- B. N-H
- C. F-H
- D. Cl-H

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions

111. What is the value of enthalpy of neutralization when one mole of base reacts with one mole of acid?

- A. -60.5 kJ/mol
- B. -46.5kJ/mol
- C. -70.5 kJ/mol
- D. -57.4kJ/mol

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

CHEMISTRY >> Chemistry of Hydrocarbons

112. The second bond in ethyne is:
- A. Pi bond between hybridized orbitals
 - B. Sigma bond between hybridized orbitals
 - C. Pi bond between unhybridized orbitals
 - D. Sigma bond between unhybridized orbitals

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

113. Which element has function in opening and closing of stomata?
- A. K
 - B. Mg
 - C. Cu
 - D. Fe

BIOLOGY >> Bio-Energetics

114. The dense fluid filled region in the chloroplast is?
- A. Grana
 - B. stroma
 - C. Thylakoid
 - D. Intergrana

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

115. What is the most important structure between body and brain?
- A. Neck
 - B. Spinal cord
 - C. Blood vessels
 - D. Skeleton

BIOLOGY >> Bio-Energetics

116. At which times there is no net gaseous exchange between leaves and the atmosphere?
- A. Day
 - B. Night
 - C. Dawn and Dusk
 - D. Midnight

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

BIOLOGY >> Diversity among Animals

117. Sycon is an example of:

- A. Platyhelminthes
- B. Annelida
- C. Protozoa
- D. Porifera

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

118. The attraction between water molecules and cell wall of xylem is termed as:

- A. cohesion
- B. tension
- C. adhesion
- D. imbibition

BIOLOGY >> Cell Structure and Function

119. Cellular organelles that interact with hydrogen peroxide are called?

- A. Glyoxysomes
- B. Lysosomes
- C. Ribosomes
- D. Peroxisomes

BIOLOGY >> Reproduction

120. What is the name of the tube that carries sperm and urine out of the human body?

- A. Penis
- B. seminal vesicles
- C. urethra
- D. Ureter

BIOLOGY >> Enzymes

121. The substrate binds to specific region of enzyme called?

- A. key
- B. active site
- C. hyperactive site
- D. none of these

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

BIOLOGY >> Biological Molecules Enzymes

122. Which of the following carbohydrate cannot be hydrolysed?
- A. Monosaccharides
 - B. Oligosaccharides
 - C. polysaccharides
 - D. carbohydrates

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

123. When were bacteriophages discovered by Twort?
- A. 1915
 - B. 1920
 - C. 1910
 - D. 1820

BIOLOGY >> Evolution

124. As long as two species occupy different niches, there is?
- A. competition
 - B. no competition
 - C. gene linkage
 - D. polymorphism

BIOLOGY >> Evolution

125. If an individual does not reproduce then it's degree of fitness is?
- A. 100
 - B. 50
 - C. 40
 - D. 0

BIOLOGY >> Enzymes

126. Competitive inhibitors and real substrate often have similar?
- A. structure
 - B. chemical properties
 - C. physical properties
 - D. none of these

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

BIOLOGY >> Cell Structure and Function

127. Shape of the maturing phase of tge golgi apparatus is?
- A. biconcave
 - B. convex
 - C. spherical
 - D. concave

BIOLOGY >> Support and Movement

128. Which of the following plays the major role in providing support to young herbaceous parts of the plant?
- A. higher turgor pressure
 - B. cortex and pith with higher turgor pressure
 - C. Collenchyma cells
 - D. all of these

BIOLOGY >> Variation and Genetics / Inheritance

129. The process of determining the locus for particular biological traits includes?
- A. replication
 - B. recombination
 - C. gene mapping
 - D. none of these

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

130. During inspiration, the area of the thoracic cavity will
- A. contracts
 - B. increase
 - C. decrease
 - D. damage

BIOLOGY >> Enzymes

131. Antibodies can be digested by using which of the following types of enzymes?
- A. Lipase
 - B. Protease
 - C. Amylase
 - D. Polymerase

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

BIOLOGY >> Diversity among Animals

132. This group of animals has three bones in the ear.
- A. Reptiles
 - B. Mammals
 - C. Both reptiles and mammals
 - D. Birds and mammals

BIOLOGY >> Evolution

133. Most of the fossils are found in which of the following?
- A. Metamorphic rocks
 - B. soil
 - C. Volcanic mountains
 - D. Sedimentary rocks

BIOLOGY >> Prokaryotes

134. What type of genetic transfer was displayed in the Frederick Griffith experiment?
- A. transduction
 - B. transformation
 - C. binary fission
 - D. conjugation

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

135. How many compounds of tar of tobacco smoke are included in causing cancer?
- A. 2
 - B. 5
 - C. 8
 - D. More than 10

BIOLOGY >> Diversity among Animals

136. What are osteocytes?
- A. white blood cell
 - B. bone cell
 - C. brain cell

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

D. none of these

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

137. Mad cow disease is caused by which of the following?

- A. prion
- B. virus
- C. bacteria
- D. both a and b

BIOLOGY >> Evolution

138. Which type of evolution is represented by analogous organs?

- A. Divergent evolution
- B. Straight evolution
- C. Zig-zag evolution
- D. Convergent evolution

BIOLOGY >> Prokaryotes

139. Which of the following is a form of asexual reproduction in prokaryotic cells?

- A. Binary fission and mitosis
- B. Binary fission and meiosis
- C. Binary fission and transformation
- D. Binary fission

BIOLOGY >> Cell Structure and Function

140. Pancreas produces secretory granules that help in digestion. These granules after passing through endoplasmic reticulum are pinched off from _____ surface of Golgi apparatus?

- A. forming phase
- B. maturing phase
- C. any of these
- D. none of these

BIOLOGY >> Prokaryotes

141. Example of bacteria requiring low concentration of oxygen is?

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

- A. spirochete
- B. ecoli
- C. pseudomonas
- D. campylobacter

BIOLOGY >> Reproduction

142. This carries the egg to the uterus.
- A. Fallopian tube
 - B. ovary
 - C. cervix
 - D. vagina

BIOLOGY >> Diversity among Animals

143. These animals have three germinal layers but no coelom.
- A. Flat worms
 - B. Round worms
 - C. Cnidarians
 - D. Chordates

BIOLOGY >> Evolution

144. Which of the following organs serve no apparent purpose?
- A. Non vestigial organs
 - B. Homologous organs
 - C. Analogous organs
 - D. Vestigial organs

BIOLOGY >> Reproduction

145. In human only one ovum is usually discharged from the ovary at one time this phenomenon is called?
- A. ovulation
 - B. menstruation
 - C. oestrous
 - D. all of these

BIOLOGY >> Biological Molecules Enzymes

146. Hemoglobin synthesis takes place in all except ____

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

- A. reticulocytes
- B. erythrocytes
- C. basophilic erythroblasts
- D. none of these

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

147. The largest part of forebrain which controls the intelligence, emotions and skeletal muscles is classified as?
- A. hypothalamus
 - B. thalamus
 - C. cerebellum
 - D. cerebrum

BIOLOGY >> Bio-Energetics

148. What is reduced during sugar production in photosynthesis?
- A. ATP
 - B. NADH
 - C. carbon dioxide
 - D. oxygen

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

- Q 149. The external solution having more concentration than the cell sap is known as:
- A. Hypertonic solution
 - B. Hypotonic solution
 - C. Isotonic solution
 - D. All A,B and C

BIOLOGY >> Variation and Genetics / Inheritance

- Q 150. A trait determined by a gene on the X chromosome is said to be:
- A. Pseudoautosomal
 - B. Sex linked
 - C. Both a & b
 - D. None of the above

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

Q 151. Which enzyme is released to dissolve bacterial cell wall by bacteriophages?

- A. lysosomes
- B. lysozymes
- C. ligase
- D. both a and b

BIOLOGY >> Bio-Energetics

Q 152. How does each photoexcited electron pass from PS1 to PS2?

- A. ETC
- B. chemiosmosis
- C. photolysis
- D. photosynthesis

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

Q 153. The numbers of capsomeres found in herpes virus capsid is?

- A. 162
- B. 200
- C. 234
- D. 155

BIOLOGY >> Support and Movement

Q 154. How many thin filaments are arrayed around each thick filament within a sarcomere?

- A. 2
- B. 4
- C. 6
- D. 8

BIOLOGY >> Variation and Genetics / Inheritance

Q 155. An individual with a heterozygous genotype is a:

- A. Heterozygote
- B. Both a & b
- C. Homozygote

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

D. None of the above

BIOLOGY >> Bio-Energetics

Q 156. The G3P is end product of this process

- A. Kreb's cycle
- B. Calvin cycle
- C. chemiosmosis
- D. electron transport chain

Q 157. In this stage of photosynthesis, ATP and NADPH converted to ADP+Pi and NADP+

- A. light dependent reaction
- B. light independent reaction
- C. both of these
- D. none of above

BIOLOGY >> Biological Molecules Enzymes

Q 158. In acidic medium, amino acids carry positive charge and act as

- A. acid
- B. base
- C. neutral
- D. none of these

BIOLOGY >> Support and Movement

Q 159. Tetany is considered to be the result of a severe degree of :

- A. Hyperglycemia
- B. Hypercalcaemia
- C. Hypoglycemia
- D. Hypocalcaemia

BIOLOGY >> Reproduction

Q 160. Critical day length for cocklebur is which of the following?

- A. 8.5 hrs

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

- B. 10hrs
- C. 14 hrs
- D. 15.5 hrs

BIOLOGY >> Cell Structure and Function

Q 161. Cell membrane is chemically composed of lipids and which of the following?

- A. protein
- B. carbohydrates
- C. both a and b
- D. none of these

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

Q 162. The example of coordinators in chemical coordination is?

- A. endocrine glands
- B. spinal cord
- C. brain
- D. human eyes

BIOLOGY >> Biological Molecules Enzymes

Q 163. Ribose is a monosaccharide constituent of many_____

- A. enzymes
- B. coenzymes
- C. vitamins
- D. antibiotics

BIOLOGY >> Enzymes

Q 164. The enzyme involved in splitting or formation of C-C bond is called?

- A. oxidases
- B. dehydrogenases
- C. transglycosidases
- D. desmolases

BIOLOGY >> Enzymes

Q 165. The product of succinic acid by the action of the enzyme is which of the following?

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

- A. fumaric acid
- B. malonic acid
- C. citric acid
- D. pyruvic acid

BIOLOGY >> Prokaryotes

Q 166. Which of the following is NOT a method bacteria use for genetic recombination?

- A. Conjugation
- B. Transformation
- C. Transduction
- D. Binary Fission

BIOLOGY >> Bio-Energetics

Q 167. The point at which there is no net exchange of gases between leaves and atmosphere is known as?

- A. neutral point
- B. compensation point
- C. parallel point
- D. competitive point

BIOLOGY >> Variation and Genetics / Inheritance

Q 168. For a diploid species, each locus is represented _____ in the genome of an individual

- A. Sight
- B. Once
- C. Twice
- D. Empty space

BIOLOGY >> Reproduction

Q 169. Fertilization of human egg occurs in:

- A. ovary
- B. uterus
- C. oviduct (fallopian tube)
- D. cervix

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

Q 170. The pair of salivary glands located behind the jaws is called:

- A. Sublingual gland
- B. Submaxillary glands
- C. parotid glands
- D. adrenal glands

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

Q 171. The location of virion assembly

- A. Nucleus
- B. Plasma Membrane
- C. golgi complex
- D. all of these

BIOLOGY >> Evolution

Q 172. The experiment that simulated conditions thought to be present on the early earth

- A. Hershey Chase experiment
- B. Geiger Marsden experiment
- C. Schiehallion experiment
- D. Miller-Urey experiment

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

Q 173. The composition of the white matter of spinal cord is:

- A. myelinated dendrite
- B. non-myelinated dendrite
- C. non-myelinated axon
- D. myelinated axon

BIOLOGY >> Biological Molecules Enzymes

Q 174. Ketone is synthesized in

- A. Adipose tissue
- B. Liver
- C. Muscles
- D. Brain

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

BIOLOGY >> Enzymes

Q 175. Enzymes are globular proteins because:

- A. They have a primary structure.
- B. They have a secondary structure.
- C. They have a tertiary structure.
- D. All of the above.

BIOLOGY >> Cell Structure and Function

Q 176. What is the approximate diameter of the peroxisome?

- A. 0.5 micrometer
- B. 1.5 micrometer
- C. 2 micrometer
- D. 1 micrometer

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

Q 177. Who proposed pressure flow theory?

- A. Dixon
- B. Mohl
- C. Sanger
- D. Munch

BIOLOGY >> Support and Movement

Q 178. Which of these joints allow little or no movement?

- A. Synovial Joints
- B. Ball and Socket Joint
- C. Cartilaginous Joints
- D. Cartilaginous Joints

BIOLOGY >> Reproduction

Q 179. What is a key difference between spermatogenesis and oogenesis?

- A. Spermatogenesis results in only 1 sperm; oogenesis results in 4 eggs.
- B. Spermatogenesis results in 2 sperm; oogenesis results in only 1 egg.
- C. Spermatogenesis results in 8 sperm; oogenesis results in only 4 eggs.
- D. Spermatogenesis results in 4 sperm; oogenesis results in only 1 egg.

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

BIOLOGY >> Diversity among Animals

Q 180. One similarity between annelids and arthropods:

- A. Closed circulatory system.
- B. Nitrogenous waste product is uric acid.
- C. Ventral nerve cord.
- D. None of the above.

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 181. Choose the correct sentence.

- A. Samar bought an apple, an orange and an pear.
- B. Samar bought an apple a orange and a pear.
- C. Samar bought an apple, an orange and a pear.
- D. Samar bought a apple, an orange and a pear.

ENGLISH >> Structure of Sentence

Demonstrate control of tenses and sentence structure

Q 182. John _____ to be a doctor.

- A. wants
- B. wanting
- C. is wanting
- D. have wanted

ENGLISH >> Mistakes in Sentences or short written texts

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 183. I found the (A)/ two first chapters (B) /of the book (C)/ particularly interesting. (D)

- A. I found the
- B. two first chapters
- C. of the book
- D. particularly interesting.

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 184. Where were you _____ at that time ?

- A. going
- B. goes
- C. went
- D. gone

ENGLISH >> Correct use of articles and prepositions

Demonstrate correct use of articles and prepositions

Q 185. Fetch _____ chair and sit down.

- A. a
- B. an
- C. the
- D. no article

ENGLISH >> Vocabulary

Comprehend key vocabulary

Q 186. We went to the President as a last _____ .

- A. recourse
- B. resort
- C. resource
- D. resound

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 187. The company _____ of its stakeholders.

- A. Think
- B. thought
- C. thinks
- D. thinking

ENGLISH >> Tenses

Demonstrate control of tenses and sentence structure

Q 188. Neither of the paintings _____ (is) sold.

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

- A. is
- B. were
- C. was
- D. are

ENGLISH >> Vocabulary

Comprehend key vocabulary

Q 189. As a teacher, my primary concern is the _____ of my students.

- A. welfare
- B. welcome
- C. well off
- D. well wisher

ENGLISH >> Mistakes in Sentences or short written texts

Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 190. Choose the correct spelling of the word

- A. vaccinate
- B. vaccinnate
- C. vacinate
- D. vaccinat

ENGLISH >> Tenses

Demonstrate control of tenses and sentence structure

Q 191. If you _____ (start) at once you can reach by 6'o clock.

- A. start
- B. starting
- C. starts
- D. have started

ENGLISH >> Vocabulary

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

Comprehend key vocabulary

Q 192. He _____ in this school since 2010.

- A. studied
- B. has been studying
- C. studies
- D. had studies

ENGLISH >> Correct use of articles and prepositions

Demonstrate correct use of articles and prepositions

Q 193. The baby cried most of _____ night.

- A. a
- B. an
- C. the
- D. no article

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 194. Choose the correct sentence.

- A. The air was crisp and clear it was a lovely day.
- B. The air was crisp and clear, it was a lovely day.
- C. The air was crisp and clear; it was a Lovely Day.
- D. The air was crisp and clear; it was a lovely day.

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 195. The thief _____ before the policeman reaches.

- A. will have escape
- B. will have escaped
- C. will escaped
- D. will escape

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 196. She will _____ her lesson for two months next week.

- A. has learnt
- B. have been learning
- C. has been learning
- D. has been learns

ENGLISH >> Mistakes in Sentences or short written texts

Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 197. Choose the correct spelling of the word

- A. comitte
- B. commite
- C. committee
- D. committee

ENGLISH >> Structure of Sentence

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 198. The baby was obviously getting too hot, then Sam did what he could to cool her.

- A. hot, then Sam did
- B. hot, Sam did
- C. hot; Sam, therefore, did
- D. hot; Sam therefore trying to do

ENGLISH >> Vocabulary

Comprehend key vocabulary

Q 199. Over-speeding is a traffic offense which leads to _____ accidents.

- A. troublesome
- B. final
- C. great
- D. gruesome

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 200. Choose the correct sentence.

- A. The Return of the King which is a popular movie made a huge amount of money
- B. "The Return of the King", which is a popular movie made a huge amount of money.
- C. "The Return of the King", which is a popular movie, made a huge amount of money.
- D. "The return of the king", which is a popular movie, made a huge amount of money.

LOGICAL REASONING >> Critical Reasoning

Statements and Conclusions

Q 201. Statements Nutritious food is delicious and good for health. Apple is nutritious. Conclusions

- (I) Apple is good for health.
 - (II) (II) Delicious foods are nutritious.
-
- A. Only conclusion (I) follows
 - B. Only conclusion (II) follows
 - C. Both conclusions follow
 - D. Both of them do not follow

LOGICAL REASONING >> Letter and Symbol Series

Complete the series

Q 202. 23rd letter of English alphabets is

- A. X
- B. W
- C. Z
- D. Y

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

LOGICAL REASONING >> Critical Reasoning

Logical Games

Q 203. In the following letter series, some of the letters are missing, which are given in that order as one of the alternatives below it. Choose the correct alternatives

- A. cbcb
- B. bbc b
- C. cbbc
- D. bc bc

LOGICAL REASONING >> Letter and Symbol Series

Series completion (Numbers/Letters)

Q 204. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

- A. 22
- B. 26
- C. 23
- D. 20

LOGICAL REASONING >> Critical Reasoning

Essential parts

Q 205. What should come next to it infirmary

- A. surgery
- B. disease
- C. patient
- D. receptionist

LOGICAL REASONING >> Logical Problems

Verbal Classification

Q 206. According to Oxfam report, Every Minute, _____ People Die of Hunger In The World?

- A. 10
- B. 11
- C. 15
- D. Both A and B

LOGICAL REASONING >> Cause & Effect

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

Dependent Causes/ Independent Causes/

Q 207. Statement: The government has decided to make all the information related to primary education available to the general public. In the past, the general public did not have access to all these information related to primary education.

- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect
- C. Both the statements I and II are independent causes
- D. Both the statements I and II are effects of independent causes

LOGICAL REASONING >> Logical Deduction

Verbal Reasoning

Q 208. Language with the most alphabets is _____

- A. French
- B. Chinese
- C. Portuguese
- D. Urdu

LOGICAL REASONING >> Logical Problems

Statements and Conclusions

Q 209. 1: All clocks are watches. 2: Some clocks are alarms. Conclusion: I: Some Alarms are watches. II: All watches are alarm.

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows
- C. Both conclusions follow
- D. Neither conclusion (I) nor conclusion (II) follows

PMC PAID TEST 10 WITHOUT KEYS BY WISEGOT

LOGICAL REASONING >> Cause & Effect

Dependent Causes/ Independent Causes/

Q 210. Statement: There is increase in water level of all the water tanks supplying drinking water to the city during the last fortnight. Most of the trains were cancelled last week due to waterlogging on the tracks.

- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect
- C. Both the statements I and II are independent causes
- D. Both the statements I and II are effects of some common cause

**FOR ALL PMC 36 TESTS+ ALL DRILLS TOPICS
JUST VISIT WWW.WISEGOT.COM**

**You can Download ALL Kind of Entry Test
Materials free of Cost from WiseGot Website.**

#TeamWiseGot

www.wisegot.com

#BestWebsiteForMDCAT

PMC PAID TEST 10 WITH KEYS BY WISEGOT

1. Magnetic field density outside the solenoid is
 - A. strong
 - B. infinite
 - C. negligible**
 - D. none of these

2. If peak Voltage across a full wave rectifier is 20V then V_{rms} is
 - A. 7.07
 - B. 14.14 v**
 - C. 16.8V
 - D. 12V

3. Force acting on a positive charge is always:....
 - A. in the direction opposite to electric field
 - B. in the direction of electric field**
 - C. in the direction perpendicular to electric field
 - D. in the direction perpendicular to the velocity of charge

4. A man pushes a wall and failed to displace it ,he does
 - A. Negative work
 - B. positive work but not maximum
 - C. No work at all**
 - D. maximum work

5. Half life of a radiation active element is that period in which half of the atoms
 - A. diffuse
 - B. decompose
 - C. disturbed
 - D. decay**

6. The speed v of the waves in the string depends upon the tension F of the string and m , the mass per unit length of the string. It is given by
 - A. $v^2 = F/m$**
 - B. $v = F/m$
 - C. $v \cdot m = F$
 - D. $v = F \cdot m$

PMC PAID TEST 10 WITH KEYS BY WISEGOT

7. Unit of instantaneous velocity is

- A. m/s^2
- B. m/s**
- C. m
- D. $1/\text{s}$

PHYSICS >> Dawn of Modern Physics

8. Beta particle is actually a

- A. fast moving electron**
- B. slow moving electron
- C. electron at rest
- D. none of these

PHYSICS >> Nuclear Physics

9. Which element has three isotopes?

- A. H**
- B. O
- C. Cl
- D. none of these

PHYSICS >> Waves

10. longitudinal standing wave, in second harmonic mode, is established in a tube that is open at both ends. The length of the tube is 0.80 m. What is the wavelength of the waves that make up the standing wave?

- A. 0.20 m
- B. 0.40 m
- C. 0.80 m**
- D. 1.60 m

PHYSICS >> Thermodynamics

11. The efficiency of Carnot engine can never be 1, because:.

- A. we can not achieve the higher temperature
- B. we do not have an ideal working substance
- C. there is always energy losses
- D. we need cold reservoir at absolute zero temperature, which is not available**

PMC PAID TEST 10 WITH KEYS BY WISEGOT

PHYSICS >> Rotational and Circular Motion

12. For constant linear acceleration, angular acceleration and radius are
- A. equal
 - B. inversely related**
 - C. directly related
 - D. no relation

PHYSICS >> Dawn of Modern Physics

13. X-ray is the reverse process of :
- A. Pair production
 - B. Compton effect
 - C. Photoelectric effect**
 - D. A & B are correct

PHYSICS >> Current Electricity

14. If a certain piece of copper is to be shaped into a conductor of minimum resistance, its length (L) and cross-sectional area (a) shall respectively be
- A. L, 2A
 - B. L/2, 2A**
 - C. 2L, 2A
 - D. 2L, A/2

PHYSICS >> Dawn of Modern Physics

15. The linear momentum of a 3 MeV photon is :
- A. 0.01 eV s m^{-1}**
 - B. 0.01 eV s m^{-1}
 - C. 0.03 eV s m^{-1}
 - D. 0.04 eV s m^{-1}

PHYSICS >> Waves

16. When path difference between two waves are odd integral multiple of half the wavelength, the resultant effect is called

PMC PAID TEST 10 WITH KEYS BY WISEGOT

A. destructive interference

- B. constructive interference
- C. beats
- D. diffraction

PHYSICS >> Electromagnetic Induction

17. The turns ratio of transformer is 10, It means that;

- A. $I_s = 10I_p$
- B. $N_s = N_p/10$
- C. $N_s = 10N_p$**
- D. $V_s = V_p/10$

PHYSICS >> Rotational and Circular Motion

18. The angular velocity will become equal to linear velocity when r becomes

- A. zero
- B. negative
- C. unity**
- D. they can never be equal

PHYSICS >> Current Electricity

19. $C_{eq} = C_1 + C_2 + C_3 + \dots + C_n$ is the combination in

- A. Parallel**
- B. Series
- C. Both of them
- D. None of them

PHYSICS >> Work and Energy

20. At which angle work done is maximum

- A. 45 degree
- B. 90 degree
- C. 0 degree**
- D. 180 degree

PMC PAID TEST 10 WITH KEYS BY WISEGOT

PHYSICS >> Dawn of Modern Physics

21. Polarization explains light is
- A. electric in nature
 - B. magnetic in nature
 - C. both a & B**
 - D. none of these
22. The dimensions of angular velocity are
- A. $[LT^{-1}]$
 - B. $[LT]$
 - C. $[LT^{-2}]$
 - D. $[T^{-1}]$**

PHYSICS >> Atomic spectra

23. If two bodies have same temperature the rate of heat transfer between them is
- A. infinite
 - B. zero**
 - C. double the temperature
 - D. none of these
24. The atomic ratio between U-238 and U-234 in a sample is 1.8×10^4 . The half life of U-238 is 2.5×10^5 years.
Find the half life of U-234.
- A. 2.5×10^9 years
 - B. 2.5×10^8 years
 - C. 4.5×10^9 years**
 - D. none of these

PHYSICS >> Nuclear Physics

25. According to Bohr's principle, what is the relation between the principal quantum number and the radius of the orbit?
- A. $r \propto n$
 - B. $r \propto 1/n$**
 - C. $r \propto n^2$
 - D. $r \propto 1/n^2$

PHYSICS >> Atomic spectra

26. Which rays need medium to travel

PMC PAID TEST 10 WITH KEYS BY WISEGOT

- A. x-rays
- B. beta rays
- C. gamma rays
- D. no radiation need medium to travel**

PHYSICS >> Work and Energy

27. A charge of 2 C placed in electric field of 10 N/C what will be the work done in moving charge a distance of 5 m

- A. 100 J**
- B. 50 J
- C. 150 J
- D. 200 J

PHYSICS >> Electromagnetism

28. What is the angular frequency during the circular motion?

- A. qm/B
- B. m/qB
- C. qB/m**
- D. qmB
- E.

29. Magnetic force between two wires is proportional to

- A. distance
- B. current on them**
- C. Charge on them
- D. none of these

PHYSICS >> Current Electricity

30. An immersion heater of 400 watts kept on for 5 hours will consume electrical power of

- A. 2KWh**
- B. 20KWh
- C. 6KWh
- D. 12KWh

PHYSICS >> Thermodynamics

31. Which of the following is not as example of adiabatic process?

- A. The rapid escape of air from a burst tyre
- B. The rapid expansion and compression of air through which a sound wave is passing
- C. Cloud formation in the atmosphere
- D. slow compression or expansion of gas**

PMC PAID TEST 10 WITH KEYS BY WISEGOT

PHYSICS >> Waves

32. Whenever a transverse wave travelling in a denser medium, is reflected from the boundary of the rarer medium...

- A. the direction of its displacement remains same**
- B. the direction of its displacement is reversed
- C. the displacement disappears
- D. the displacement becomes double

PHYSICS >> Electromagnetic Induction

33. $\text{emf} = -N(\Delta\Phi/\Delta t)$ is according to

- A. Ampere's Law
- B. Faraday's Law**
- C. Lenz's Law
- D. none of these

PHYSICS >> Electromagnetic Induction

34. Lenz law is in accordance with conservation of

- A. momentum
- B. charge
- C. current
- D. energy**

PHYSICS >> Electronics

35. In full wave rectifier with input frequency 50 Hz the ripple in the output is mainly of frequency

- A. 25 Hz
- B. 50Hz
- C. 100Hz**
- D. Zero

PHYSICS >> Waves

36. If displacements due to two individual waves are y_1 and y_2 . Then the resultant displacement, y , of the particle of the medium is:

- A. $y = y_1 * y_2$
- B. $y = y_1 / y_2$
- C. $y = y_1 - y_2$
- D. $y = y_1 + y_2$**

PMC PAID TEST 10 WITH KEYS BY WISEGOT

PHYSICS >> Thermodynamics

37. Two containers hold an ideal gas at the same temperature and pressure. Both containers hold the same type of gas, but container B has twice the volume of container A. What is the average translational kinetic energy per molecule in container B?
- A. twice that of container A
 - B. the same as that of container A
 - C. half that of container A**
 - D. impossible to determine

PHYSICS >> Current Electricity

38. If the length of a potentiometer wire is doubled, the accuracy in determining the null point
- A. is increased**
 - B. is decreased
 - C. remains constant
 - D. may increase or decrease

PHYSICS >> Atomic spectra

39. The angular momentum of photon is
- A. infinite
 - B. zero**
 - C. negative
 - D. still not found

PHYSICS >> Thermodynamics

40. Internal energy is _____ of path
- A. independent**
 - B. dependent
 - C. Highly dependent
 - D. Not enough information

PHYSICS >> Nuclear Physics

41. If crops are grown under greenhouse radiation the crops will
- A. grow faster**
 - B. grow slowly
 - C. burn immediately
 - D. none of these will happen

PMC PAID TEST 10 WITH KEYS BY WISEGOT

PHYSICS >> Nuclear Physics

42. The source of gamma radiation is
- A. outside nucleus
 - B. inside nucleus**
 - C. electron transition
 - D. none of these

PHYSICS >> Force and Motion

43. Rockets use thrust forces which produces
- A. constant acceleration
 - B. variable acceleration**
 - C. constant velocity
 - D. linearly varying velocity

PHYSICS >> Force and Motion

44. A straight moving bus takes a sharp right turn. What will happen to the passengers sitting inside the bus?
- A. They will tilt rightwards
 - B. They will tilt leftwards**
 - C. They will stay the way they were
 - D. They will start jumping

PHYSICS >> Electronics

45. Transistors can be used as
- A. half wave rectifier
 - B. full wave rectifier
 - C. both
 - D. none of these**

PHYSICS >> Electromagnetism

46. The flux is the region where magnetic field
- A. changes direction
 - B. changes strength
 - C. changes polarity
 - D. no change occur**

PHYSICS >> Electronics

47. In half wave rectification, the output DC voltage is obtained across the load for
- A. the positive half cycle of input AC
 - B. the negative half cycle of input AC

PMC PAID TEST 10 WITH KEYS BY WISEGOT

C. the positive and negative half cycles of input AC

D. Either positive or negative half cycle of input AC

PHYSICS >> Electromagnetism

48. Unit of magnetic flux density is

A. Tesla

B. Wb/m^2

C. N/Am

D. All

PHYSICS >> Electro-statistics

49. A capacitor can store its energy in its:....

A. magnetic field

B. parallel plate

C. electric field

D. coil

PHYSICS >> Force and Motion

50. If the velocity of particle is varying linearly with time then shape of d-t curve would be

A. linear

B. quadratic

C. cubic

D. decreasing linearly

PHYSICS >> Waves

51. A pipe is open at both ends. A stationary wave is formed in the air of the pipe. Which statement is true:

A. there is always a central antinode

B. there is always a central node

C. the sum of number of nodes and the number of antinodes is always an even number

D. the sum of number of nodes and the number of antinodes is always an odd number

PHYSICS >> Thermodynamics

52. An ideal gas at 15.5°C and a pressure of $1.72 \times 10^5 \text{ Pa}$ occupies a volume of 2.81 m^3 .

How many moles of gas are present?

A. 2.01 mol

B. 21 mol

C. 201 mol

D. 2001 mol

PHYSICS >> Thermodynamics

PMC PAID TEST 10 WITH KEYS BY WISEGOT

53. The energy input to an engine is 4.00 times greater than the work it performs. What fraction of the energy input is expelled to the cold reservoir?

- A. 0.25
- B. 0.75**
- C. 1
- D. impossible to determine

PHYSICS >> Waves

54. A stationary wave is formed in a pipe which is open at one end. If length of pipe is 5 cm, then what is the maximum possible wavelength of the wave.?

- A. 5 cm
- B. 10 cm
- C. 15 cm
- D. 20 cm**

PHYSICS >> Electromagnetic Induction

55. Electric field generated due to induction is

- A. conservative**
- B. nonconservative
- C. depends on internal property
- D. not enough information

PHYSICS >> Current Electricity

56. Resistivity of a wire is ___ ohm-m if 0.75 A current flows through it by applying 1.5 V potential difference, take length and cross section as 5m and $2.5 \times 10^{-7} \text{ m}^2$.

- A. 1×10^{-7}**
- B. 2.63×10^{-8}
- C. 19×10^{-8}
- D. 7.85×10^{-8}

CHEMISTRY >> S and P Block elements

57. Molten sodium burns with brilliant yellow flame in a chlorine atmosphere to form ____?

- A. NaCl**
- B. NaOH
- C. NaBr
- D. ClO

CHEMISTRY >> Macromolecules

58. Which enzyme causes the hydrolysis of fats ?

- A. Urease
- B. Lipase**
- C. Maltase

PMC PAID TEST 10 WITH KEYS BY WISEGOT

D. Protease

CHEMISTRY >> Gases

59. The properties of gases, liquids and solids can be understood by

- A. atomic theory
- B. potential molecular theory
- C. kinetic molecular theory**
- D. none of these

CHEMISTRY >> Aldehydes and ketones

60. Which of the following give silver mirror test ?

- A. Butanal
- B. Methanal
- C. Ethanal
- D. All of these**

CHEMISTRY >> Fundamental Principles of Organic Chemistry

61. According to vital force theory organic compounds were only produced in _____?

- A. Animals
- B. Plants
- C. Bacteria
- D. All of these**

CHEMISTRY >> Introduction to Fundamental Concepts of Chemistry

62. The unit used to express the relative atomic mass is called

- A. gram unit
- B. Avogadro's number
- C. atomic mass
- D. atomic mass unit**

CHEMISTRY >> Solids

63. Amorphous solids turn into glass-like state from rubber-like state, this is called

- A. transition
- B. crack transition
- C. glass transition**
- D. all of these

PMC PAID TEST 10 WITH KEYS BY WISEGOT

CHEMISTRY >> Chemistry of Hydrocarbons

64. Which of the following Halogen react fast with alkanes in substitution reactions?

- A. Cl_2
- B. F_2**
- C. I_2
- D. Br_2

CHEMISTRY >> Chemical Equilibrium

65. Buffer solutions resist change in their

- A. temperature
- B. solubility
- C. volatility
- D. pH**

CHEMISTRY >> Atomic Structure

66. When an electron remains between orbit, its momentum is

- A. dequantized
- B. quantized**
- C. emitted
- D. changes always

CHEMISTRY >> Carboxylic Acids

67. Which of the carboxylic acid in diluted form is used as vinegar?

- A. Formic acid
- B. acetic acid**
- C. benzoic acid
- D. amino acid

CHEMISTRY >> Transition Elements

68. Which of the following properties are associated with transition metals ?

- A. Color
- B. Complex formation
- C. Use as catalyst
- D. All of these**

CHEMISTRY >> Chemical Bonding

69. In general, atomic radii decreases from left to right in a period, due to increase in

- A. number of shells

PMC PAID TEST 10 WITH KEYS BY WISEGOT

B. nuclear charge

C. shielding effect

D. bond length

CHEMISTRY >> Electrochemistry

70. In a Voltaic Cell Zinc Electrode is dipped in

A. Copper Sulphate

B. Copper chloride

C. Zinc Chloride

D. Zinc Sulphate

CHEMISTRY >> Alcohol and Phenols

71. Alcohol having 5% water is called as _____ ?

A. Absolute alcohol

B. Methylated alcohol

C. Rectified spirit

D. Pure spirit

CHEMISTRY >> Reaction Kinetics

72. dx/dt is rate of change of concentration with respect to

A. Temperature

B. Pressure

C. time

D. None of these

CHEMISTRY >> Gases

73. London dispersion forces are the only forces present among

A. atoms of helium in gaseous state at high temperature

B. molecules of water

C. molecules of solid iodine

D. molecules of HCl gas

CHEMISTRY >> Fundamental Principles of Organic Chemistry

74. A structural formula shows _____ ?

A. Arrangement of atoms in the compound

B. Arrangement of electrons in the compound

C. Arrangement of Orbitals that involved in bonding

D. Lewis structure of compounds

CHEMISTRY >> Chemistry of Hydrocarbons

75. Addition of HCl to an propene forms _____ ?

A. 1-chloropropane

PMC PAID TEST 10 WITH KEYS BY WISEGOT

B. 2-chloropropane

C. 2-chloropropane

D. 3-chloropropane

CHEMISTRY >> Alkyl Halides

76. In S_N2 reaction, which of the following specie is formed?

A. Transition state

B. Intermediate

C. Carbocation

D. Carbanion

CHEMISTRY >> Reaction Kinetics

77. Half-life can be found out for a reaction of

A. first order

B. Second Order

C. Any Order

D. Zero Order

CHEMISTRY >> Introduction to Fundamental Concepts of Chemistry

78. Dalton's atomic theory couldn't explain the concept about

A. isomers

B. protons

C. isotopes

D. nucleus

CHEMISTRY >> Chemical Equilibrium

79. When a catalyst is added to a reversible reaction, at equilibrium state the value of equilibrium constant

A. decreases

B. Increases

C. Remains unchanged

D. First decrease then increase

CHEMISTRY >> Alkyl Halides

80. Which of the following compounds can be prepared by using grignard reagents?

A. Alkanes

B. Alcohols

C. Carboxylic acids

D. All of these

PMC PAID TEST 10 WITH KEYS BY WISEGOT

CHEMISTRY >> S and P Block elements

81. The group 1 elements are named as alkali metals because

- A. Their oxides are basic
- B. Their oxide and hydroxides are water soluble
- C. Both a & b
- D. They are found in the earth**

CHEMISTRY >> Introduction to Fundamental Concepts of Chemistry

82. Atomicity is determined by number of _____ present in a molecule

- A. dots
- B. atoms**
- C. sub particles
- D. electrons

CHEMISTRY >> S and P Block elements

83. Which of the species has a permanent dipole moment?

- A. SF₄**
- B. SiF₄
- C. BF₃
- D. XeF₄

CHEMISTRY >> Electrochemistry

84. Electrolyte can be in

- A. Plasma state
- B. Solution or Fused state**
- C. Solid form
- D. Gaseous State

CHEMISTRY >> Macromolecules

85. Hemoglobin is example of which protein.

- A. Transport proteins**
- B. Structural proteins
- C. Genetic proteins
- D. Regulatory proteins

CHEMISTRY >> Carboxylic Acids

86. When ethyl alcohol is oxidized with potassium dichromate, which product is formed?

- A. Acetic acid**
- B. Butanoic acid
- C. Benzoic acid
- D. No reaction takes place

PMC PAID TEST 10 WITH KEYS BY WISEGOT

CHEMISTRY >> Carboxylic Acids

87. Which of the following is an example of Monocarboxylic acid ?

- A. Oxalic acid
- B. Methanoic acid**
- C. Glutaric acid
- D. Adipic acid

CHEMISTRY >> Solids

88. Number of Valence Electrons in Cl^- Ion are

- A. 18
- B. 10
- C. 17
- D. 8**

CHEMISTRY >> Macromolecules

89. Non protein part which is conjugated with protein is called _____.

- A. Coenzyme
- B. Co-factor**
- C. Prosthetic group
- D. None

CHEMISTRY >> Aldehydes and ketones

90. Addition of ammonia and its derivative catalyze by _____?

- A. Acid**
- B. Base
- C. Oxidizing agents
- D. Pd/C

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions

91. The imaginary surface separating system and surroundings is called

- A. Buffer
- B. Transition Zone
- C. Boundary**
- D. Intermediate state

CHEMISTRY >> Aldehydes and ketones

92. Why oxidation of ketones is not easy _____?

- A. Because they involve breaking of C-O bond
- B. Because it involve breaking of C-C bond**
- C. Because it involve breaking of C-H bond

PMC PAID TEST 10 WITH KEYS BY WISEGOT

D. Because it involve breaking of C=C bond

CHEMISTRY >> Solids

93. In a cubic close packed system, the number of octahedral void per atom is/are

- A. 1**
- B. 3
- C. 8
- D. 5

CHEMISTRY >> Gases

94. The unit for Van der Waals constant 'b' is

- A. mol dm^{-3}
- B. dm^3
- C. $\text{m}^3 \text{mol}^{-1}$**
- D. $\text{m}^3 \text{mol}$

CHEMISTRY >> Alcohol and Phenols

95. When a nucleophilic reagent attacks on alcohols

- A. C - O bond breaks**
- B. H bond breaks
- C. increase in acidity
- D. Dehydration occurs

CHEMISTRY >> Electrochemistry

96. Electrolysis is carried out in

- A. A beaker
- B. Flask
- C. Evaporating Dish
- D. Electrolytic Cell**

CHEMISTRY >> Reaction Kinetics

97. The positive sign in the rate expression for products depicts

- A. Decrease in concentration
- B. Increase in concentration**
- C. Increase in yield
- D. decrease in temperature

CHEMISTRY >> Transition Elements

98. Which of the following is a non-typical transition element?

- A. Mn

PMC PAID TEST 10 WITH KEYS BY WISEGOT

B. Zn

C. Cu

D. Ag

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions

99. The total of all the possible kind of energies in a system is called

A. Total energy

B. Kinetic Energy

C. Potential Energy

D. Internal Energy

CHEMISTRY >> Alcohol and Phenols

100. Which phenol is most acidic in nature

A. salicylic acid

B. picric acid

C. cresol

D. O- nitrophenol

CHEMISTRY >> Carboxylic Acids

101. Rayon is _____?

A. Acetyl chloride

B. Alkene

C. Alkyne

D. Acetic acid

CHEMISTRY >> Alkyl Halides

102. In Which of the following reaction rate of reaction is not affected by increasing concentration of nucleophile ?

A. SN_2

B. E_2

C. SN_1

D. None of these

CHEMISTRY >> Alkyl Halides

103. Grignard reagent is produced by the reaction of Alkyl halides with _____?

A. Ca in anhydrous ether

B. Mg in dry ether

C. Mg in hydrous ether

D. Ca in dry ether

PMC PAID TEST 10 WITH KEYS BY WISEGOT

CHEMISTRY >> Solids

104. All the three axes and three angles are of unequal length and none of the angle is 90°
- A. cubic system
 - B. triclinic system**
 - C. tetragonal system
 - D. monoclinic system

CHEMISTRY >> Electrochemistry

105. Caustic Soda is made by electrolysis of concentrated solution of NaCl in
- A. Nelson's Cell
 - B. Hg - Cell
 - C. Castner Kellner Cell
 - D. All of these**

CHEMISTRY >> Macromolecules

106. LDH-1 is raised in which disease:
- A. Rickets
 - B. Anemia
 - C. Heart disorders**
 - D. Stroke

CHEMISTRY >> Carboxylic Acids

107. Which of the following is succinic acid ?
- A. Ethanoic acid
 - B. Hexanedioic acid
 - C. Butanedioic acid**
 - D. Propanoic acid

CHEMISTRY >> Fundamental Principles of Organic Chemistry

108. which of the following has neither secondary nor tertiary hydrogen
- A. isobutane
 - B. pentane
 - C. neo-pentane**
 - D. isopentane

PMC PAID TEST 10 WITH KEYS BY WISEGOT

CHEMISTRY >> Gases

109. If pressure is reduced to one half and temperature of a gas is doubled, what will be volume
- A. reduced 4 times
 - B. increased 4 times**
 - C. remains same
 - D. gets doubled

CHEMISTRY >> Liquids

110. Which one of the following H-bond is strong?
- A. O-H
 - B. N-H
 - C. F-H**
 - D. Cl-H

CHEMISTRY >> Thermochemistry and Energetic of Chemical Reactions

111. What is the value of enthalpy of neutralization when one mole of base reacts with one mole of acid?
- A. -60.5 kJ/mol
 - B. -46.5kJ/mol
 - C. -70.5 kJ/mol
 - D. -57.4kJ/mol**

CHEMISTRY >> Chemistry of Hydrocarbons

112. The second bond in ethyne is:
- A. Pi bond between hybridized orbitals
 - B. Sigma bond between hybridized orbitals
 - C. Pi bond between unhybridized orbitals**
 - D. Sigma bond between unhybridized orbitals

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

113. Which element has function in opening and closing of stomata?
- A. K**
 - B. Mg
 - C. Cu
 - D. Fe

PMC PAID TEST 10 WITH KEYS BY WISEGOT

BIOLOGY >> Bio-Energetics

114. The dense fluid filled region in the chloroplast is?

- A. Grana
- B. stroma**
- C. Thylakoid
- D. Intergrana

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

115. What is the most important structure between body and brain?

- A. Neck
- B. Spinal cord**
- C. Blood vessels
- D. Skeleton

BIOLOGY >> Bio-Energetics

116. At which times there is no net gaseous exchange between leaves and the atmosphere?

- A. Day
- B. Night
- C. Dawn and Dusk**
- D. Midnight

BIOLOGY >> Diversity among Animals

117. Sycon is an example of:

- A. Platyhelminthes
- B. Annelida
- C. Protozoa
- D. Porifera**

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

118. The attraction between water molecules and cell wall of xylem is termed as:

- A. cohesion

PMC PAID TEST 10 WITH KEYS BY WISEGOT

B. tension

C. adhesion

D. imbibition

BIOLOGY >> Cell Structure and Function

119. Cellular organelles that interact with hydrogen peroxide are called?

A. Glyoxysomes

B. Lysosomes

C. Ribosomes

D. Peroxisomes

BIOLOGY >> Reproduction

120. What is the name of the tube that carries sperm and urine out of the human body?

A. Penis

B. seminal vesicles

C. urethra

D. Ureter

BIOLOGY >> Enzymes

121. The substrate binds to specific region of enzyme called?

A. key

B. active site

C. hyperactive site

D. none of these

BIOLOGY >> Biological Molecules Enzymes

122. Which of the following carbohydrate cannot be hydrolysed?

A. Monosaccharides

B. Oligosaccharides

C. polysaccharides

D. carbohydrates

PMC PAID TEST 10 WITH KEYS BY WISEGOT

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

123. When were bacteriophages discovered by Twort?

- A. 1915**
- B. 1920
- C. 1910
- D. 1820

BIOLOGY >> Evolution

124. As long as two species occupy different niches, there is?

- A. competition
- B. no competition**
- C. gene linkage
- D. polymorphism

BIOLOGY >> Evolution

125. If an individual does not reproduce then it's degree of fitness is?

- A. 100
- B. 50
- C. 40
- D. 0**

BIOLOGY >> Enzymes

126. Competitive inhibitors and real substrate often have similar?

- A. structure**
- B. chemical properties
- C. physical properties
- D. none of these

BIOLOGY >> Cell Structure and Function

127. Shape of the maturing phase of tge golgi apparatus is?

- A. biconcave
- B. convex
- C. spherical
- D. concave**

PMC PAID TEST 10 WITH KEYS BY WISEGOT

BIOLOGY >> Support and Movement

128. Which of the following plays the major role in providing support to young herbaceous parts of the plant?
- A. higher turgor pressure
 - B. cortex and pith with higher turgor pressure
 - C. Collenchyma cells
 - D. all of these**

BIOLOGY >> Variation and Genetics / Inheritance

129. The process of determining the locus for particular biological traits includes?
- A. replication
 - B. recombination
 - C. gene mapping**
 - D. none of these

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

130. During inspiration, the area of the thoracic cavity will
- A. contracts
 - B. increase**
 - C. decrease
 - D. damage

BIOLOGY >> Enzymes

131. Antibodies can be digested by using which of the following types of enzymes?
- A. Lipase
 - B. Protease**
 - C. Amylase
 - D. Polymerase

BIOLOGY >> Diversity among Animals

132. This group of animals has three bones in the ear.
- A. Reptiles
 - B. Mammals**
 - C. Both reptiles and mammals
 - D. Birds and mammals

BIOLOGY >> Evolution

PMC PAID TEST 10 WITH KEYS BY WISEGOT

133. Most of the fossils are found in which of the following?

- A. Metamorphic rocks
- B. soil
- C. Volcanic mountains
- D. Sedimentary rocks**

BIOLOGY >> Prokaryotes

134. What type of genetic transfer was displayed in the Frederick Griffith experiment?

- A. transduction
- B. transformation**
- C. binary fission
- D. conjugation

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

135. How many compounds of tar of tobacco smoke are included in causing cancer?

- A. 2
- B. 5
- C. 8
- D. More than 10**

BIOLOGY >> Diversity among Animals

136. What are osteocytes?

- A. white blood cell
- B. bone cell**
- C. brain cell
- D. none of these

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

137. Mad cow disease is caused by which of the following?

- A. prion**
- B. virus
- C. bacteria
- D. both a and b

BIOLOGY >> Evolution

138. Which type of evolution is represented by analogous organs?

- A. Divergent evolution
- B. Straight evolution
- C. Zig-zag evolution

PMC PAID TEST 10 WITH KEYS BY WISEGOT

D. Convergent evolution

BIOLOGY >> Prokaryotes

139. Which of the following is a form of asexual reproduction in prokaryotic cells?

- A. Binary fission and mitosis
- B. Binary fission and meiosis
- C. Binary fission and transformation

D. Binary fission

BIOLOGY >> Cell Structure and Function

140. Pancreas produces secretory granules that help in digestion. These granules after passing through endoplasmic reticulum are pinched off from _____ surface of Golgi apparatus?

- A. forming phase
- B. maturing phase**
- C. any of these
- D. none of these

BIOLOGY >> Prokaryotes

141. Example of bacteria requiring low concentration of oxygen is?

- A. spirochete
- B. ecoli
- C. pseudomonas
- D. campylobacter**

BIOLOGY >> Reproduction

142. This carries the egg to the uterus.

- A. Fallopian tube
- B. ovary
- C. cervix
- D. vagina

BIOLOGY >> Diversity among Animals

143. These animals have three germinal layers but no coelom.

- A. Flat worms**
- B. Round worms
- C. Cnidarians
- D. Chordates

BIOLOGY >> Evolution

PMC PAID TEST 10 WITH KEYS BY WISEGOT

144. Which of the following organs serve no apparent purpose?

- A. Non vestigial organs
- B. Homologous organs
- C. Analogous organs
- D. Vestigial organs**

BIOLOGY >> Reproduction

145. In human only one ovum is usually discharged from the ovary at one time this phenomenon is called?

- A. ovulation**
- B. menstruation
- C. oestrous
- D. all of these

BIOLOGY >> Biological Molecules Enzymes

146. Hemoglobin synthesis takes place in all except _____

- A. reticulocytes
- B. erythrocytes**
- C. basophilic erythroblasts
- D. none of these

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

147. The largest part of forebrain which controls the intelligence, emotions and skeletal muscles is classified as?

- A. hypothalamus
- B. thalamus
- C. cerebellum
- D. cerebrum**

BIOLOGY >> Bio-Energetics

148. What is reduced during sugar production in photosynthesis?

- A. ATP
- B. NADH
- C. carbon dioxide**
- D. oxygen

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

Q 149. The external solution having more concentration than the cell sap is known as:

- A. Hypertonic solution**
- B. Hypotonic solution
- C. Isotonic solution
- D. All A,B and C

PMC PAID TEST 10 WITH KEYS BY WISEGOT

BIOLOGY >> Variation and Genetics / Inheritance

Q 150. A trait determined by a gene on the X chromosome is said to be:

- A. Pseudoautosomal
- B. Sex linked**
- C. Both a & b
- D. None of the above

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

Q 151. Which enzyme is released to dissolve bacterial cell wall by bacteriophages?

- A. lysosomes
- B. lysozymes**
- C. ligase
- D. both a and b

BIOLOGY >> Bio-Energetics

Q 152. How does each photoexcited electron pass from PS1 to PS2?

- A. ETC**
- B. chemiosmosis
- C. photolysis
- D. photosynthesis

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

Q 153. The number of capsomeres found in herpes virus capsid is?

- A. 162**
- B. 200
- C. 234
- D. 155

BIOLOGY >> Support and Movement

Q 154. How many thin filaments are arrayed around each thick filament within a sarcomere?

- A. 2
- B. 4
- C. 6**
- D. 8

PMC PAID TEST 10 WITH KEYS BY WISEGOT

BIOLOGY >> Variation and Genetics / Inheritance

Q 155. An individual with a heterozygous genotype is a:

- A. Heterozygote**
- B. Both a & b
- C. Homozygote
- D. None of the above

BIOLOGY >> Bio-Energetics

Q 156. The G3P is end product of this process

- A. Kreb's cycle
- B. Calvin cycle**
- C. chemiosmosis
- D. electron transport chain
- E.

Q 157. In this stage of photosynthesis, ATP and NADPH converted to ADP+Pi and NADP+

- A. light dependent reaction
- B. light independent reaction**
- C. both of these
- D. none of above

BIOLOGY >> Biological Molecules Enzymes

Q 158. In acidic medium, amino acids carry positive charge and act as

- A. acid
- B. base**
- C. neutral
- D. none of these

BIOLOGY >> Support and Movement

Q 159. Tetany is considered to be the result of a severe degree of :

- A. Hyperglycemia

PMC PAID TEST 10 WITH KEYS BY WISEGOT

- B. Hypercalcaemia
- C. Hypoglycemia
- D. Hypocalcaemia**

BIOLOGY >> Reproduction

Q 160. Critical day length for cocklebur is which of the following?

- A. 8.5 hrs
- B. 10hrs
- C. 14 hrs
- D. 15.5 hrs**

BIOLOGY >> Cell Structure and Function

Q 161. Cell membrane is chemically composed of lipids and which of the following?

- A. protein**
- B. carbohydrates
- C. both a and b
- D. none of these

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

Q 162. The example of coordinators in chemical coordination is?

- A. endocrine glands**
- B. spinal cord
- C. brain
- D. human eyes

BIOLOGY >> Biological Molecules Enzymes

Q 163. Ribose is a monosaccharide constituent of many ____

- A. enzymes
- B. coenzymes**
- C. vitamins
- D. antibiotics

BIOLOGY >> Enzymes

PMC PAID TEST 10 WITH KEYS BY WISEGOT

Q 164. The enzyme involved in splitting or formation of C-C bond is called?

- A. oxidases
- B. dehydrogenases
- C. transglycosidases
- D. desmolases**

BIOLOGY >> Enzymes

Q 165. The product of succinic acid by the action of the enzyme is which of the following?

- A. fumaric acid**
- B. malonic acid
- C. citric acid
- D. pyruvic acid

BIOLOGY >> Prokaryotes

Q 166. Which of the following is NOT a method bacteria use for genetic recombination?

- A. Conjugation
- B. Transformation
- C. Transduction
- D. Binary Fission**

BIOLOGY >> Bio-Energetics

Q 167. The point at which there is no net exchange of gases between leaves and atmosphere is known as?

- A. neutral point
- B. compensation point**
- C. parallel point
- D. competitive point

BIOLOGY >> Variation and Genetics / Inheritance

Q 168. For a diploid species, each locus is represented _____ in the genome of an individual

PMC PAID TEST 10 WITH KEYS BY WISEGOT

- A. Sight
- B. Once
- C. Twice**
- D. Empty space

BIOLOGY >> Reproduction

Q 169. Fertilization of human egg occurs in:

- A. ovary
- B. uterus
- C. oviduct (fallopian tube)**
- D. cervix

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

Q 170. The pair of salivary glands located behind the jaws is called:

- A. Sublingual gland
- B. Submaxillary glands**
- C. parotid glands
- D. adrenal glands

BIOLOGY >> Biodiversity (Acellular Life/Variety of Life)

Q 171. The location of virion assembly

- A. Nucleus
- B. Plasma Membrane
- C. golgi complex
- D. all of these**

BIOLOGY >> Evolution

Q 172. The experiment that simulated conditions thought to be present on the early earth

- A. Hershey Chase experiment
- B. Geiger Marsden experiment
- C. Schiehallion experiment
- D. Miller-Urey experiment**

PMC PAID TEST 10 WITH KEYS BY WISEGOT

BIOLOGY >> Coordination and Control/ Nervous and Chemical Coordination

Q 173. The composition of the white matter of spinal cord is:

- A. myelinated dendrite
- B. non-myelinated dendrite
- C. non-myelinated axon
- D. myelinated axon**

BIOLOGY >> Biological Molecules Enzymes

Q 174. Ketone is synthesized in

- A. Adipose tissue
- B. Liver**
- C. Muscles
- D. Brain

BIOLOGY >> Enzymes

Q 175. Enzymes are globular proteins because:

- A. They have a primary structure.
- B. They have a secondary structure.
- C. They have a tertiary structure.**
- D. All of the above.

BIOLOGY >> Cell Structure and Function

Q 176. What is the approximate diameter of the peroxisome?

- A. 0.5 micrometer**
- B. 1.5 micrometer
- C. 2 micrometer
- D. 1 micrometer

BIOLOGY >> Life processes in animals and plants (Nutrition/Gaseous exchange/Transport)

Q 177. Who proposed pressure flow theory?

PMC PAID TEST 10 WITH KEYS BY WISEGOT

- A. Dixon
- B. Mohl
- C. Sanger
- D. Munch**

BIOLOGY >> Support and Movement

Q 178. Which of these joints allow little or no movement?

- A. Synovial Joints
- B. Ball and Socket Joint
- C. Cartilaginous Joints**
- D. Cartilaginous Joints

BIOLOGY >> Reproduction

Q 179. What is a key difference between spermatogenesis and oogenesis?

- A. Spermatogenesis results in only 1 sperm; oogenesis results in 4 eggs.
- B. Spermatogenesis results in 2 sperm; oogenesis results in only 1 egg.
- C. Spermatogenesis results in 8 sperm; oogenesis results in only 4 eggs.
- D. Spermatogenesis results in 4 sperm; oogenesis results in only 1 egg.**

BIOLOGY >> Diversity among Animals

Q 180. One similarity between annelids and arthropods:

- A. Closed circulatory system.
- B. Nitrogenous waste product is uric acid.
- C. Ventral nerve cord.**
- D. None of the above.

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 181. Choose the correct sentence.

- A. Samar bought an apple, an orange and an pear.
- B. Samar bought an apple a orange and a pear.

PMC PAID TEST 10 WITH KEYS BY WISEGOT

C. Samar bought an apple, an orange and a pear.

D. Samar bought a apple, an orange and a pear.

ENGLISH >> Structure of Sentence

Demonstrate control of tenses and sentence structure

Q 182. John _____ to be a doctor.

A. wants

B. wanting

C. is wanting

D. have wanted

ENGLISH >> Mistakes in Sentences or short written texts

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 183. I found the (A)/ two first chapters (B) /of the book (C)/ particularly interesting. (D)

A. I found the

B. two first chapters

C. of the book

D. particularly interesting.

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 184. Where were you _____ at that time ?

A. going

B. goes

C. went

D. gone

ENGLISH >> Correct use of articles and prepositions

Demonstrate correct use of articles and prepositions

Q 185. Fetch _____ chair and sit down.

A. a

B. an

C. the

D. no article

ENGLISH >> Vocabulary

PMC PAID TEST 10 WITH KEYS BY WISEGOT

Comprehend key vocabulary

Q 186. We went to the President as a last _____.

- A. recourse
- B. resort**
- C. resource
- D. resound

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 187. The company _____ of its stakeholders.

- A. Think
- B. thought
- C. thinks**
- D. thinking

ENGLISH >> Tenses

Demonstrate control of tenses and sentence structure

Q 188. Neither of the paintings _____ (is) sold.

- A. is
- B. were**
- C. was
- D. are

ENGLISH >> Vocabulary

Comprehend key vocabulary

Q 189. As a teacher, my primary concern is the _____ of my students.

- A. welfare**
- B. welcome
- C. well off
- D. well wisher

ENGLISH >> Mistakes in Sentences or short written texts

PMC PAID TEST 10 WITH KEYS BY WISEGOT

Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 190. Choose the correct spelling of the word

A. vaccinate

B. vaccinante

C. vacinate

D. vaccinat

ENGLISH >> Tenses

Demonstrate control of tenses and sentence structure

Q 191. If you _____ (start) at once you can reach by 6'o clock.

A. start

B. starting

C. starts

D. have started

ENGLISH >> Vocabulary

Comprehend key vocabulary

Q 192. He _____ in this school since 2010.

A. studied

B. has been studying

C. studies

D. had studies

ENGLISH >> Correct use of articles and prepositions

Demonstrate correct use of articles and prepositions

Q 193. The baby cried most of _____ night.

A. a

B. an

C. the

D. no article

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

PMC PAID TEST 10 WITH KEYS BY WISEGOT

Q 194. Choose the correct sentence.

- A. The air was crisp and clear it was a lovely day.
- B. The air was crisp and clear, it was a lovely day.
- C. The air was crisp and clear; it was a Lovely Day.
- D. The air was crisp and clear; it was a lovely day.**

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 195. The thief _____ before the policeman reaches.

- A. will have escape
- B. will have escaped**
- C. will escaped
- D. will escape

ENGLISH >> Correct use of Subject Verb Agreement

Demonstrate correct use of subject-verb agreement

Q 196. She will _____ her lesson for two months next week.

- A. has learnt
- B. have been learning**
- C. has been learning
- D. has been learns

ENGLISH >> Mistakes in Sentences or short written texts

Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 197. Choose the correct spelling of the word

- A. comitte
- B. commite
- C. committee**
- D. committee

ENGLISH >> Structure of Sentence

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

PMC PAID TEST 10 WITH KEYS BY WISEGOT

Q 198. The baby was obviously getting too hot, then Sam did what he could to cool her.

- A. hot, then Sam did
- B. hot, Sam did
- C. hot; Sam, therefore, did**
- D. hot; Sam therefore trying to do

ENGLISH >> Vocabulary

Comprehend key vocabulary

Q 199. Over-speeding is a traffic offense which leads to _____ accidents.

- A. troublesome
- B. final
- C. great
- D. gruesome**

ENGLISH >> Use of writing conventions of spelling, capitalization and punctuation

Demonstrate correct use of articles and prepositions Demonstrate correct use of subject-verb agreement Demonstrate correct use of writing conventions of spelling, capitalization and punctuation to clarify meaning

Q 200. Choose the correct sentence.

- A. The Return of the King which is a popular movie made a huge amount of money
- B. "The Return of the King", which is a popular movie made a huge amount of money.
- C. "The Return of the King", which is a popular movie, made a huge amount of money.**
- D. "The return of the king", which is a popular movie, made a huge amount of money.

LOGICAL REASONING >> Critical Reasoning

Statements and Conclusions

Q 201. Statements Nutritious food is delicious and good for health. Apple is nutritious.
Conclusions

- (I) Apple is good for health.
- (II) Delicious foods are nutritious.

- A. Only conclusion (I) follows**
- B. Only conclusion (II) follows
- C. Both conclusions follow

PMC PAID TEST 10 WITH KEYS BY WISEGOT

D. Both of them do not follow

LOGICAL REASONING >> Letter and Symbol Series

Complete the series

Q 202. 23rd letter of English alphabets is

- A. X
- B. W**
- C. Z
- D. Y

LOGICAL REASONING >> Critical Reasoning

Logical Games

Q 203. In the following letter series, some of the letters are missing, which are given in that order as one of the alternatives below it. Choose the correct alternatives

- A. cbcb**
- B. bbcb
- C. cbbe
- D. bebc

LOGICAL REASONING >> Letter and Symbol Series

Series completion (Numbers/Letters)

Q 204. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

- A. 22**
- B. 26
- C. 23
- D. 20

LOGICAL REASONING >> Critical Reasoning

Essential parts

Q 205. What should come next to it infirmary

- A. surgery

PMC PAID TEST 10 WITH KEYS BY WISEGOT

- B. disease
- C. patient**
- D. receptionist

LOGICAL REASONING >> Logical Problems

Verbal Classification

Q 206. According to Oxfam report, Every Minute, _____ People Die of Hunger In The World?

- A. 10
- B. 11**
- C. 15
- D. Both A and B

LOGICAL REASONING >> Cause & Effect

Dependent Causes/ Independent Causes/

Q 207. Statement: The government has decided to make all the information related to primary education available to the general public. In the past, the general public did not have access to all these information related to primary education.

- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect**
- C. Both the statements I and II are independent causes
- D. Both the statements I and II are effects of independent causes

LOGICAL REASONING >> Logical Deduction

Verbal Reasoning

Q 208. Language with the most alphabets is _____

- A. French
- B. Chinese**
- C. Portuguese
- D. Urdu

LOGICAL REASONING >> Logical Problems

Statements and Conclusions

Q 209. 1: All clocks are watches. 2: Some clocks are alarms. Conclusion: I: Some Alarms are watches. II: All watches are alarm.

PMC PAID TEST 10 WITH KEYS BY WISEGOT

A. Only conclusion (I) follows

B. Only conclusion (II) follows

C. Both conclusions follow

D. Neither conclusion (I) nor conclusion (II) follows

LOGICAL REASONING >> Cause & Effect

Dependent Causes/ Independent Causes/

Q 210. Statement: There is increase in water level of all the water tanks supplying drinking water to the city during the last fortnight. Most of the trains were cancelled last week due to waterlogging on the tracks.

A. Statement I is the cause and statement II is its effect.

B. Statement II is the cause and statement I is its effect

C. Both the statements I and II are independent causes

D. Both the statements I and II are effects of some common cause

FOR ALL PMC 36 TESTS+ ALL DRILLS TOPICS JUST VISIT
WWW.WISEGOT.COM

You can Download ALL Kind of Entry Test Materials free of Cost from WiseGot Website.

#TeamWiseGot

www.wisegot.com

#BestWebsiteForMDCAT